

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	789	polyurethane\$2 and durometer and mandrel\$2 and (tube tubular)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:16
L2	495	polyurethane\$2 and durometer and mandrel\$2 and (tube tubular) and mold\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:27
L3	3357	polyurethane\$2 and (cylinder cylindrical tube tubular) and mandrel\$2 and mold\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:27
L4	1341	polyurethane\$2 and (cylinder cylindrical tube tubular) and mandrel\$2 same mold\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:27
L5	760	polyurethane\$2 and (cylinder cylindrical tube tubular) same mandrel\$2 same mold\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:27
L6	177	polyurethane\$2 same (cylinder cylindrical tube tubular) same mandrel\$2 same mold\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:33
L7	8	("2582426"   "4488736"   "4840395"   "4922573"   "4966386"   "5820115"   "5902050").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:31
L8	4	polyurethane\$2 with bushing and mandrel\$2 same mold\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:35
L9	4	polyurethane\$2 with bushing\$2 and mandrel\$2 same mold\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:35
L10	813	bushing\$2 and mandrel\$2 same mold\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:35
L11	411	bushing\$2 same mandrel\$2 same mold\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 10:46
L12	12	("3270117").URPN.	USPAT	OR	OFF	2006/08/03 10:01
L13	50	cast\$4 same bushing\$2 same mandrel\$2 same mold\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 10:49
L14	26	polyurethane with bushing\$2 same (cure cured curing)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 11:40
L15	2	polyurethane with bushing\$2 same (cure cured curing) same (melt melted melting molten)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 10:50

## EAST Search History

L16	1146	425/577	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 11:40
S1	5	("4058036" "4149437" "4788895" "4930381" "5649460").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 07:55
S2	10	("3472105"   "3927585"   "4058036"   "4061061"   "4149437"   "4870880"   "4930381"   "5167175"   "5330224").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 08:10
S3	4	("3954031"   "4445697"   "4526072"   "4788895").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 08:13
S4	2	("3954031"   "4445697").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 08:14
S5	2	("3927585"   "4058036").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 08:14
S6	2	("3802689"   "3927585").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 08:14
S7	157	spindle with (liner\$2 lining\$2) and mold\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 08:15
S8	157	spindle with (liner\$2 lining\$2) and mold\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 08:15
S9	1	("1819188").URPN.	USPAT	OR	OFF	2005/08/16 08:17
S10	2	("3918696").URPN.	USPAT	OR	OFF	2005/08/16 08:32
S11	15	("1786876"   "1891290"   "1935999"   "2534811"   "2700631"   "2933173"   "3420553"   "3749132").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 08:33
S12	6	("1786876").URPN.	USPAT	OR	OFF	2005/08/16 08:38
S13	2	("1891290").URPN.	USPAT	OR	OFF	2005/08/16 08:40
S14	1	("4131964").URPN.	USPAT	OR	OFF	2005/08/16 08:58
S15	1	unibody adj lathe adj spindle	USPAT	OR	OFF	2005/08/16 08:58
S16	9	("4058036"   "4149437"   "4526072"   "4788895"   "4870880"   "4930381"   "5649460"   "5927169"   "6227084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 09:01
S17	41	spindle adj liner\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 09:03

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S18	1213	injection adj mold\$5 and mandrel and flange\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 09:04
S19	331	injection adj mold\$5 and mandrel and flange\$2 and (urethane\$2 polyurethane\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 09:28
S20	998	injection adj mold\$5 same (urethane\$2 polyurethane\$2) and (tube\$2 tubular cylinder\$2 cylindrical) and flange\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 09:29
S21	501	injection adj mold\$5 same (urethane\$2 polyurethane\$2) and (tube\$2 tubular cylinder\$2 cylindrical) same flange\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 10:02
S22	119	S20 and bushing\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 09:37
S23	4	(urethane\$2 polyurethane\$2) near3 bushing\$2 same flange\$2 and injection adj mold\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 09:38
S24	8	(urethane\$2 polyurethane\$2) near3 bushing\$2 and flange\$2 and injection adj mold\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 09:41
S25	54	(urethane\$2 polyurethane\$2) with bushing\$2 and injection adj mold\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 09:59
S26	46	S25 not S24	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 09:41
S27	394	(urethane\$2 polyurethane\$2) and bushing\$2 and injection adj mold\$4 and flange\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 10:27
S28	408	injection adj mold\$5 same (urethane\$2 polyurethane\$2) and shaft\$2 and flange\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 10:08
S29	159	injection adj mold\$5 same (urethane\$2 polyurethane\$2) and shaft\$2 and flange\$2 and (coupling coupler)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 10:08
S30	14	("3313124").URPN.	USPAT	OR	OFF	2005/08/16 10:08
S31	1333	bushing\$2 same flange\$3 and mold and shaft	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 10:40
S32	6	bushing\$2 same flange\$3 and mold and shaft with size with (adjusted adjustable)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 10:30

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S33	77	bushing\$2 same flange\$3 and mold and shaft with size	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 10:30
S34	0	("2327113").URPN.	USPAT	OR	OFF	2005/08/16 10:35
S35	1	("2407559").URPN.	USPAT	OR	OFF	2005/08/16 10:35
S36	6596	spindle with bushing\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 10:40
S37	701	spindle with bushing\$2 with flange\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 10:41
S38	197	spindle near3 bushing\$2 with flange\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 10:44
S39	1	spindle near3 bushing\$2 with flange\$2 and (urethane\$2 polyurethane\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 11:24
S40	1182	(425/577).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 12:02
S41	1392	(264/219).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 12:02
S42	2578	((264/219) or (249/142,147)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 12:39
S43	641	S42 and (sleeve\$2 flange\$2 urethane\$2 polyurethane\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 12:05
S44	601	S42 and (core\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 12:06
S45	2	"6634263"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 12:41
S46	9	("4058036" "4149437" "4526072" "4788895" "4870880" "4930381" "5649460" "5927169" "6227084").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 13:01
S47	100	polyurethane same flexible near2 coupling\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 13:01
S48	170782	polyurethane withflexible near2 coupling\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 13:01
S49	28	polyurethane with flexible near2 coupling\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 13:05

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S50	72	S47 not S49	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 13:05
S51	48	("1328366"   "1622101"   "1952232"   "2213277"   "2301659"   "2337287"   "2343839"   "2502790"   "2629991"   "2655798"   "2740271"   "2859599"   "2866103"   "2867102"   "2924082"   "3313124"   "3362191"   "3410112"   "3636729"   "3729953"   "3732706"   "3834182"   "4176815"   "4357137"   "4373925"   "4662859"   "4969371"   "5139460"   "5186197"   "5295911").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 13:13
S52	5	S51 and (urethane\$2 polyurethane\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/16 13:13
S53	1	10/628593	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 13:17
S54	1236	(roll rolls rollers) with (hexagon\$5 octagon\$4 square) with shaft\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 13:20
S55	521	(roll rolls rollers) with (hexagon\$5 octagon\$4 square) with shaft\$2 same bearing\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 13:20
S56	195	(roll rolls rollers) with (hexagon\$5 octagon\$4 square) with shaft\$2 with bearing\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 13:39
S57	4	("2113701").URPN.	USPAT	OR	OFF	2006/08/02 13:33
S58	299	(roll rolls rollers) with (hexagon\$5 octagon\$4) with shaft\$2	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 13:39
S59	15	("1935999").URPN.	USPAT	OR	OFF	2006/08/02 14:04
S60	19	("1374307"   "1935999"   "2325616"   "2388587"   "2866648"   "3209198"   "3288497"   "3785407"   "4250927"   "4327947"   "4607665"   "5082027").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:04
S61	11	("2875987"   "2962053"   "3110324"   "3467143"   "4448219"   "4456058"   "4573400").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:04
S62	15	("4607665").URPN.	USPAT	OR	OFF	2006/08/02 14:07
S63	5	("1528560" "1817776" "2090719" "3112790" "3150887").PN.	USPAT	OR	OFF	2006/08/02 14:07

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S64	0	(hexagon\$5 octagon\$4) with (coupling\$2 coupler\$2).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:08
S65	2869	(hexagon\$5 octagon\$4) with (coupling\$2 coupler\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:09
S66	2	(hexagon\$5 octagon\$4) with (coupling\$2 coupler\$2) same (polyurethane\$2 urethane\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:08
S67	2032	(hexagon\$5 octagon\$4) with (coupling\$2 coupler\$2) and (rotating rotation\$4 rotated rotate)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:10
S68	2423	(hexagon\$5 octagon\$4) with (coupling\$2 coupler\$2) and (rotating rotation\$4 rotated rotate turned turn turning)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:10
S69	1281	(hexagon\$5 octagon\$4) with (coupling\$2 coupler\$2) same(rotating rotation\$4 rotated rotate turned turn turning)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:10
S70	1281	(hexagon\$5 octagon\$4) with (coupling\$2 coupler\$2) same (rotating rotation\$4 rotated rotate turned turn turning)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:10
S71	581	(hexagon\$5 octagon\$4) with (coupling\$2 coupler\$2) with (rotating rotation\$4 rotated rotate turned turn turning)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:13
S72	858	(square) with (coupling\$2 coupler\$2) with (rotating rotation\$4 rotated rotate turned turn turning)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:14
S73	3	(square) with (coupling\$2 coupler\$2) with (rotating rotation\$4 rotated rotate turned turn turning) same (urethane\$2 polyurethane\$2)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 14:14
S74	3	("1935999"   "3828630").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 15:00
S75	8	("1506108"   "2809420"   "3122384"   "3162315").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 15:02
S76	5	("3162315").URPN.	USPAT	OR	OFF	2006/08/02 15:02
S77	5	("3602075").URPN.	USPAT	OR	OFF	2006/08/02 15:03
S78	1	("3602075").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 15:04
S79	13	("4068545").URPN.	USPAT	OR	OFF	2006/08/02 15:04

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S80	29	("2674779"   "3072269"   "3557971"   "3664215"   "3874519"   "4019411"   "4037733"   "4068545"   "4184798"   "4289051"   "4324162"   "4596170"   "4624612"   "4649779"   "4860429"   "4914993"   "4998455"   "5058466"   "5066185"   "5115702"   "5140878"   "5320008"   "5326210"   "5456146"   "5520493"   "5562381"   "5649462").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 15:05
S81	8	("3066806"   "3147653"   "3664215"   "4090423"   "4298076"   "4324162").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 15:07
S82	4	("5058466").URPN.	USPAT	OR	OFF	2006/08/02 15:08
S83	4	("3131587"   "3162315").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 15:10
S84	5	("3602075").URPN.	USPAT	OR	OFF	2006/08/02 15:11
S85	5	("3162315").URPN.	USPAT	OR	OFF	2006/08/02 15:11
S86	7	("1538638" "2035942" "2221734" "2228863" "2373155" "2691799" "2741843").PN.	USPAT	OR	OFF	2006/08/02 15:12